

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	456	558/417.ccls. or 564/36.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/18 14:46
L2	106	I1 and iodine	US-PGPUB; USPAT	OR	ON	2007/12/18 14:52
L3	5	I2 and (isomeriz\$ or isomeris\$)	US-PGPUB; USPAT	OR	ON	2007/12/18 14:55
L4	150	(isomeriz\$ or isomeris\$) NEAR5 iodine	US-PGPUB; USPAT	OR	ON	2007/12/18 14:56
L5	4	I4 and semicarbazone	US-PGPUB; USPAT	OR	ON	2007/12/18 14:56

=> d his

(FILE 'HOME' ENTERED AT 13:53:26 ON 18 DEC 2007)

FILE 'REGISTRY' ENTERED AT 13:53:38 ON 18 DEC 2007

L1 STRUCTURE UPLOADED

L2 21 S L1

L3 440 S L1 FULL

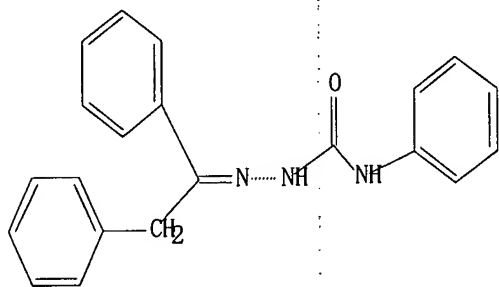
FILE 'CAPLUS' ENTERED AT 13:54:22 ON 18 DEC 2007

L4 69 S L3

L5 2 S L4 AND (ISOMERISATION OR ISOMER OR IODINE)

=> d que 15 stat

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L3 440 SEA FILE=REGISTRY SSS FUL L1

L4 69 SEA FILE=CAPLUS ABB=ON PLU=ON L3

L5 2 SEA FILE=CAPLUS ABB=ON PLU=ON L4 AND (ISOMERISATION OR ISOMER OR IODINE)

=> d 1-2 ibib iabs hitstr

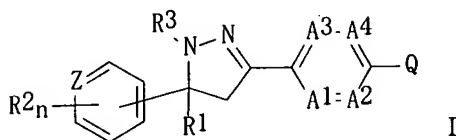
L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2007:1236469 CAPLUS
 DOCUMENT NUMBER: 147:481488
 TITLE: Preparation of pyrazoline derivative acaricides and insecticides
 INVENTOR(S): McCann, Stephen Frederick; Smith, Brenton Todd
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, USA
 SOURCE: PCT Int. Appl., 111pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007123855	A2	20071101	WO 2007-US9184	20070413
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.:
 GRAPHIC IMAGE:

US 2006-793576P

P 20060420



ABSTRACT:

The pyrazoline derivs. I [Z = N or CR₂; R₁ = cyano, (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, alkylcycloalkyl or cycloalkylalkyl; R₂ = H, halo, (halo)alkyl, (halo)alkoxy, etc.; R₃ = H, cyano, CHO, alkyl, alkenyl, etc.; Q = (un)substituted 5- or 6-membered saturated or unsatd. heterocyclyl, etc.; A₁ = CR₄ or N; A₂ = CR₅ or N; A₃ = CR₆ or N; A₄ = CR₇ or N; R₄-7 = H, halo, (halo)alkyl, (halo)cycloalkyl, etc.; n = 1-4] as well as I isomers, N-oxides and salts are prepared as acaricides and insecticides.

IT 139968-49-3, Metaflumizone

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(pyrazoline compds. useful in controlling invertebrate pests)

RN 139968-49-3 CAPLUS

CN Hydrazinecarboxamide, 2-[2-(4-cyanophenyl)-1-[3-(trifluoromethyl)phenyl]ethylidene]-N-[4-(trifluoromethoxy)phenyl]- (CA INDEX NAME)



APPLICANT

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:451345 CAPLUS

DOCUMENT NUMBER: 143:7505

TITLE: Cis-trans isomerization of semicarbazone compounds

INVENTOR(S): Liu, Weiguo; Harrington, Phil

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 14 pp.

CODEN: PIXXD2

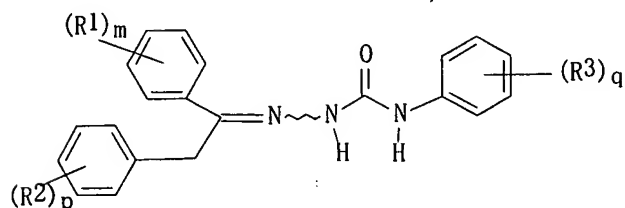
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005047235	A1	20050526	WO 2004-EP12872	20041112
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004289444	A1	20050526	AU 2004-289444	20041112
CA 2545011	A1	20050526	CA 2004-2545011	20041112
EP 1687263	A1	20060809	EP 2004-818397	20041112
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
CN 1878752	A	20061213	CN 2004-80033364	20041112
BR 2004016484	A	20070327	BR 2004-16484	20041112
JP 2007511483	T	20070510	JP 2006-538809	20041112
US 2007135520	A1	20070614	US 2006-578465	20060508
MX 2006PA05193	A	20060804	MX 2006-PA5193	20060509
IN 2006CN01676	A	20070810	IN 2006-CN1676	20060512
PRIORITY APPLN. INFO.:			US 2003-519621P	P 20031114
			WO 2004-EP12872	W 20041112
OTHER SOURCE(S):		CASREACT 143:7505; MARPAT 143:7505		
GRAPHIC IMAGE:				



ABSTRACT:

Claimed is a process for the isomerization of the Z-isomer of the compound I [m, p, q = 0, 1, 2, 3, or 4; R1 - R3 = halo, OH, CN, NO2, etc.] into its E-isomer; said process is characterized in that said Z-isomer or a mixture of isomers Z and E is treated with iodine. Thus, a mixture of Z-I [R1 = CF3 in the 3-position of the Ph ring; R2 = CN in the 4-position of the Ph ring; and R3 = OCF3 in the 4-position of the Ph ring; m = p = q = 1] and iodine in chlorobenzene was heated at 60° C for 6 h; hexane was added; the reaction mixture was filtered, and the product was

dried : the E/Z ratio in this product was 12:1.

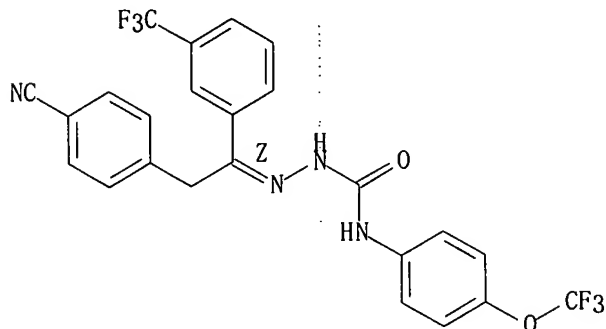
IT 139970-56-2

RL: RCT (Reactant); RACT (Reactant or reagent)
(cis-trans isomerization of semicarbazone compds.)

RN 139970-56-2 CAPLUS

CN Hydrazinecarboxamide, 2-[2-(4-cyanophenyl)-1-[3-(trifluoromethyl)phenyl]ethylidene]-N-[4-(trifluoromethoxy)phenyl]-, (2Z)-
(CA INDEX NAME)

Double bond geometry as shown.



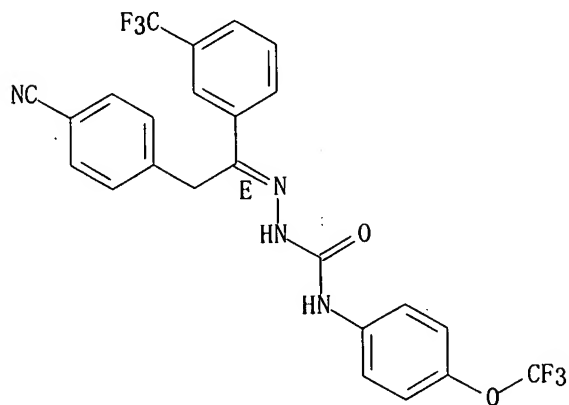
IT 852403-68-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(cis-trans isomerization of semicarbazone compds.)

RN 852403-68-0 CAPLUS

CN Hydrazinecarboxamide, 2-[2-(4-cyanophenyl)-1-[3-(trifluoromethyl)phenyl]ethylidene]-N-[4-(trifluoromethoxy)phenyl]-, (2E)-
(CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT:

6

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 13:53:26 ON 18 DEC 2007)

FILE 'REGISTRY' ENTERED AT 13:53:38 ON 18 DEC 2007

L1 STRUCTURE UPLOADED

L2 21 S L1

L3 440 S L1 FULL

FILE 'CAPLUS' ENTERED AT 13:54:22 ON 18 DEC 2007

L4 69 S L3

L5 2 S L4 AND (ISOMERISATION OR ISOMER OR IODINE)

=> s 14 and isomerization

101295 ISOMERIZATION

3128 ISOMERIZATIONS

101984 ISOMERIZATION

(ISOMERIZATION OR ISOMERIZATIONS)

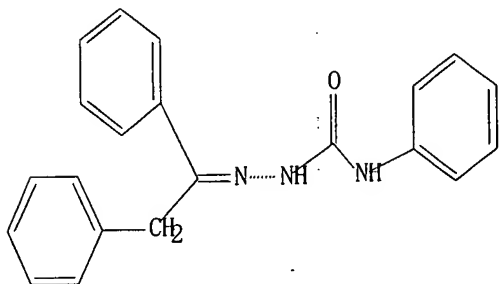
L6 1 L4 AND ISOMERIZATION

=> s 16 not 15

L7 0 L6 NOT L5

=> => d que l11 stat

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L3 440 SEA FILE=REGISTRY SSS FUL L1

L4 69 SEA FILE=CAPLUS ABB=ON PLU=ON L3

L5 2 SEA FILE=CAPLUS ABB=ON PLU=ON L4 AND (ISOMERISATION OR ISOMER OR IODINE)

L6 1 SEA FILE=CAPLUS ABB=ON PLU=ON L4 AND ISOMERIZATION

L7 0 SEA FILE=CAPLUS ABB=ON PLU=ON L6 NOT L5

L8 216 SEA FILE=CAPLUS ABB=ON PLU=ON "LIU WEIGUO"/AU

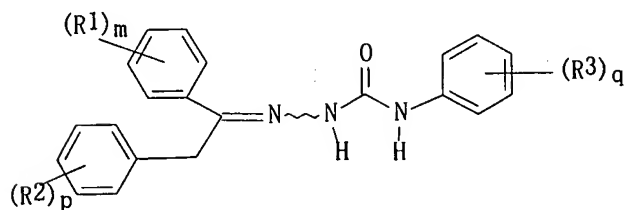
L10 216 SEA FILE=CAPLUS ABB=ON PLU=ON L7 OR L8

L11 5 SEA FILE=CAPLUS ABB=ON PLU=ON L10 AND (ISOMERIZATION OR ISOMERISATION OR ISOMER OR IODINE)

=> d 1-5 ibib iabs

L11 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:451345 CAPLUS
 DOCUMENT NUMBER: 143:7505
 TITLE: Cis-trans isomerization of semicarbazone compounds
 INVENTOR(S): Liu, Weiguo; Harrington, Phil
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 14 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005047235	A1	20050526	WO 2004-EP12872	20041112
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004289444	A1	20050526	AU 2004-289444	20041112
CA 2545011	A1	20050526	CA 2004-2545011	20041112
EP 1687263	A1	20060809	EP 2004-818397	20041112
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
CN 1878752	A	20061213	CN 2004-80033364	20041112
BR 2004016484	A	20070327	BR 2004-16484	20041112
JP 2007511483	T	20070510	JP 2006-538809	20041112
US 2007135520	A1	20070614	US 2006-578465	20060508
MX 2006PA05193	A	20060804	MX 2006-PA5193	20060509
IN 2006CN01676	A	20070810	IN 2006-CN1676	20060512
PRIORITY APPLN. INFO.:			US 2003-519621P	P 20031114
			WO 2004-EP12872	W 20041112
OTHER SOURCE(S):		CASREACT 143:7505; MARPAT 143:7505		
GRAPHIC IMAGE:				



I

ABSTRACT:

Claimed is a process for the isomerization of the Z-isomer of the compound I [m, p, q = 0, 1, 2, 3, or 4; R1 - R3 = halo, OH, CN, NO2, etc.] into its E-isomer; said process is characterized in that said Z-***isomer*** or a mixture of isomers Z and E is treated with ***iodine***. Thus, a mixture of Z-I [R1 = CF3 in the 3-position of the Ph ring; R2 = CN in the 4-position of the Ph ring; and R3 = OCF3 in the 4-position of the Ph ring; m = p = q = 1] and iodine in chlorobenzene was heated

at 60° C for 6 h; hexane was added; the reaction mixture was filtered, and the product was dried; the E/Z ratio in this product was 12:1.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:636240 CAPLUS

DOCUMENT NUMBER: 135:209968

TITLE: Method and catalyst system for stereoselectively
inverting a chiral center of an amino acidINVENTOR(S): Liu, Weiguo; Laneman, Scott; Ager, David
John; Taylor, Paul Phillip

PATENT ASSIGNEE(S): Great Lakes Chemical Corporation, USA

SOURCE: PCT Int. Appl., 24 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001062948	A2	20010830	WO 2001-US5688	20010222
WO 2001062948	A3	20020307		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 2001021519	A1	20010913	US 2001-766762	20010122
US 6365380	B2	20020402		
EP 1257659	A2	20021120	EP 2001-920132	20010222
EP 1257659	B1	20051214		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2003523750	T	20030812	JP 2001-561758	20010222
AT 312936	T	20051215	AT 2001-920132	20010222
PRIORITY APPLN. INFO.:			US 2000-510882	A 20000223
			WO 2001-US5688	W 20010222

OTHER SOURCE(S): CASREACT 135:209968

ABSTRACT:

The present invention provides a catalyst system and a process for stereoselectively inverting a chiral center of a chemical compound. The catalyst system of the present invention comprises (i) a catalytic amount of a metal catalyst; (ii) an enzyme capable of oxidizing a chemical compound at a chiral center, or microorganism cells capable of producing an enzyme which is capable of oxidizing a chemical compound at a chiral center; (iii) an oxidant; and (iv) a hydrogen source. The process of the present invention comprises treating a chemical compound having a chiral center with the catalyst system of this invention. Thus, recombinant *Escherichia coli* strain NS3302 cells containing an amino acid dehydrogenase were produced in a batch fermentation, harvested and concentrated by ultrafiltration, and stored for use as a biocatalyst. A tenth ml. of the cell concentrate was mixed with 20 mg of L-phenylalanine in 2.0 mL of 1M ammonium formate, and 20 mg of 5% palladium on carbon. This mixture was incubated for 16 h at 30 ° C with stirring in air. Anal. of the supernatant revealed a 60% conversion of L-phenylalanine to D-phenylalanine with a enantiomeric excess of 99%. This method was demonstrated to work effectively with several other L amino acids.

L11 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1994:216488 CAPLUS

DOCUMENT NUMBER: 120:216488

TITLE: Acetoxycarbenes: Modified Oxacarbenes with Enhanced Reactivity

AUTHOR(S): Moss, Robert A.; Xue, Song; Liu, Weiguo

CORPORATE SOURCE: Department of Chemistry, Rutgers University, New Brunswick, NJ, 08903, USA

SOURCE: Journal of the American Chemical Society (1994), 116(4), 1583-4

CODEN: JACSAT; ISSN: 0002-7863

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 120:216488

ABSTRACT:

Laser flash photolysis (LFP) of 3-acetoxy-3-phenyldiazirine (I) in pentane gave acetoxyphenylcarbene (II), which reacted with pyridine to form an ylide. In pentane without pyridine, photolysis of I gave 1-phenyl-1,2-propanedione (>90%), apparently formed by a 1,2-acetyl shift of II. A rate constant of $1.3 \times 10^5 \text{ s}^{-1}$ for this rearrangement was determined; the lifetime of II was determined as 7.7 μs in pentane. II also added to acrylonitriles to give the cyclopropanes in >90% yield, and the rate consts. were determined. Photolysis of 3-acetoxy-3-(phenoxyethyl)diazirine in pentane gave >95% of (Z)-1-acetoxy-2-phenoxyethene, presumably via a hydride shift of an intermediate acetoxy(phenoxyethyl)carbene. LFP (pyridine probe) gave $k = 4.1 \times 10^6 \text{ s}^{-1}$ for this hydride shift. Acetoxycarbenes are more reactive than the analogous alkoxycarbenes.

L11 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1992:570602 CAPLUS

DOCUMENT NUMBER: 117:170602

TITLE: An extraordinary isotope effect in a carbene
rearrangement

AUTHOR(S): Moss, Robert A.; Ho, Guo Jie; Liu, Weiguo;

Sierakowski, Claudia

CORPORATE SOURCE: Dep. Chem., Rutgers Univ., New Brunswick, NJ, 08903,
USA

SOURCE: Tetrahedron Letters (1992), 33(30), 4287-90

CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE: Journal

LANGUAGE: English

ABSTRACT:

The kinetic isotope effect for the 1,2-H/1,2-D shift in Me₃CCRR₁CF: (R = R₁ =
H, D; R = H, R₁ = D) is about 5.

L11 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1990:571558 CAPLUS

DOCUMENT NUMBER: 113:171558

TITLE: Studies on the reaction of 1,4-dilithio-1,2,3,4-tetraphenyl-1,3-butadiene with alkyl halide. (II).
Reaction with methyl bromide

AUTHOR(S): Huan, Zhenwei; Liu, Weiguo; Gao, Zhenheng;
Yao, Xinkan; Wang, Honggen

CORPORATE SOURCE: Dep. Chem., Nankai Univ., Tianjin, Peop. Rep. China

SOURCE: Gaodeng Xuexiao Huaxue Xuebao (1989), 10(7), 713-17

CODEN: KTHPDM; ISSN: 0251-0790

DOCUMENT TYPE: Journal

LANGUAGE: Chinese

ABSTRACT:

Reaction of 1,4-dilithio-1,2,3,4-tetraphenyl-1,3-butadiene, prepared from diphenylacetylene and lithium in Et₂O, with MeBr gave cis, cis- and cis, trans-2,3,4,5-tetraphenyl-2,4-hexadienes (I and II, resp.). Crystal structures of I and II were determined

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(FILE 'HOME' ENTERED AT 13:53:26 ON 18 DEC 2007)

FILE 'REGISTRY' ENTERED AT 13:53:38 ON 18 DEC 2007

L1 STRUCTURE UPLOADED

D

L2 21 SEA SSS SAM L1

L3 440 SEA SSS FUL L1

FILE 'CAPLUS' ENTERED AT 13:54:22 ON 18 DEC 2007

L4 69 SEA ABB=ON PLU=ON L3

L5 2 SEA ABB=ON PLU=ON L4 AND (ISOMERISATION OR ISOMER OR IODINE)

D QUE L5 STAT

D 1-2 IBIB IABS HITSTR

L6 1 SEA ABB=ON PLU=ON L4 AND ISOMERIZATION

L7 0 SEA ABB=ON PLU=ON L6 NOT L5

E LIU WEIGUO/AU

L8 216 SEA ABB=ON PLU=ON "LIU WEIGUO"/AU

E HARRINGTON PHIL/AU

L9 38 SEA ABB=ON PLU=ON ("HARRINGTON PHIL"/AU OR "HARRINGTON
PHILIP"/AU OR "HARRINGTON PHILIP M"/AU OR "HARRINGTON PHILIP
MARK"/AU)

L10 216 SEA ABB=ON PLU=ON L7 OR L8

L11 5 SEA ABB=ON PLU=ON L10 AND (ISOMERIZATION OR ISOMERISATION OR
ISOMER OR IODINE)

D QUE L11 STAT

D 1-5 IBIB IABS

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 17 DEC 2007 HIGHEST RN 958449-41-7

DICTIONARY FILE UPDATES: 17 DEC 2007 HIGHEST RN 958449-41-7

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

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FILE CAPLUS

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 They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s semicarbazone(L)(isomerization or isomerisation or isomer or iodine)

18582 SEMICARBAZONE
 3987 SEMICARBAZONES
 20512 SEMICARBAZONE
 (SEMICARBAZONE OR SEMICARBAZONES)
 101295 ISOMERIZATION
 3128 ISOMERIZATIONS
 101984 ISOMERIZATION
 (ISOMERIZATION OR ISOMERIZATIONS)
 287 ISOMERISATION
 14 ISOMERISATIONS
 299 ISOMERISATION
 (ISOMERISATION OR ISOMERISATIONS)
 122369 ISOMER
 144477 ISOMERS
 222515 ISOMER
 (ISOMER OR ISOMERS)
 142588 IODINE
 218 IODINES
 142670 IODINE
 (IODINE OR IODINES)

L12 3113 SEMICARBAZONE(L)(ISOMERIZATION OR ISOMERISATION OR ISOMER OR IODINE)

=> s semicarbazone(L)(isomerization or isomerisation or isomer)

18582 SEMICARBAZONE
 3987 SEMICARBAZONES
 20512 SEMICARBAZONE
 (SEMICARBAZONE OR SEMICARBAZONES)
 101295 ISOMERIZATION
 3128 ISOMERIZATIONS
 101984 ISOMERIZATION
 (ISOMERIZATION OR ISOMERIZATIONS)
 287 ISOMERISATION
 14 ISOMERISATIONS
 299 ISOMERISATION
 (ISOMERISATION OR ISOMERISATIONS)
 122369 ISOMER
 144477 ISOMERS
 222515 ISOMER
 (ISOMER OR ISOMERS)

L13 2679 SEMICARBAZONE(L)(ISOMERIZATION OR ISOMERISATION OR ISOMER)

=> s l13(L)iodine

142588 IODINE
 218 IODINES
 142670 IODINE
 (IODINE OR IODINES)

L14 163 L13(L)IODINE

=> s l14 and py<2004

23975084 PY<2004

L15 162 L14 AND PY<2004

=> => d que l16

L13 2679 SEA FILE=CAPLUS ABB=ON PLU=ON SEMICARBAZONE(L)(ISOMERIZATION OR ISOMERISATION OR ISOMER)

L14 163 SEA FILE=CAPLUS ABB=ON PLU=ON L13(L)IODINE

L15 162 SEA FILE=CAPLUS ABB=ON PLU=ON L14 AND PY<2004
 L16 0 SEA FILE=CAPLUS ABB=ON PLU=ON L15 AND SEMICARBAZONE/TI

=> d his full

(FILE 'HOME' ENTERED AT 13:53:26 ON 18 DEC 2007)

FILE 'REGISTRY' ENTERED AT 13:53:38 ON 18 DEC 2007

L1 STRUCTURE UPLOADED
 D

L2 21 SEA SSS SAM L1

L3 440 SEA SSS FUL L1

FILE 'CAPLUS' ENTERED AT 13:54:22 ON 18 DEC 2007

L4 69 SEA ABB=ON PLU=ON L3

L5 2 SEA ABB=ON PLU=ON L4 AND (ISOMERISATION OR ISOMER OR IODINE)

D QUE L5 STAT

D 1-2 IBIB IABS HITSTR

L6 1 SEA ABB=ON PLU=ON L4 AND ISOMERIZATION

L7 0 SEA ABB=ON PLU=ON L6 NOT L5

E LIU WEIGUO/AU

L8 216 SEA ABB=ON PLU=ON "LIU WEIGUO"/AU

E HARRINGTON PHIL/AU

L9 38 SEA ABB=ON PLU=ON ("HARRINGTON PHIL"/AU OR "HARRINGTON
 PHILIP"/AU OR "HARRINGTON PHILIP M"/AU OR "HARRINGTON PHILIP
 MARK"/AU)

L10 216 SEA ABB=ON PLU=ON L7 OR L8

L11 5 SEA ABB=ON PLU=ON L10 AND (ISOMERIZATION OR ISOMERISATION OR
 ISOMER OR IODINE)

D QUE L11 STAT

D 1-5 IBIB IABS

L12 3113 SEA ABB=ON PLU=ON SEMICARBAZONE(L) (ISOMERIZATION OR ISOMERISA
 TION OR ISOMER OR IODINE)

L13 2679 SEA ABB=ON PLU=ON SEMICARBAZONE(L) (ISOMERIZATION OR ISOMERISA
 TION OR ISOMER)

L14 163 SEA ABB=ON PLU=ON L13(L) IODINE

L15 162 SEA ABB=ON PLU=ON L14 AND PY<2004

D 1-10 TI

D KWIC

L16 0 SEA ABB=ON PLU=ON L15 AND SEMICARBAZONE/TI

D 100-125 TI

D L15 100-125 TI

D 125 KWIC

D L15 125 KWIC

D QUE L16

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 17 DEC 2007 HIGHEST RN 958449-41-7

DICTIONARY FILE UPDATES: 17 DEC 2007 HIGHEST RN 958449-41-7

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FILE CAPLUS

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